## 1. LOWER DIVISION REQUIREMENTS

Students must complete all of the following:

- **CMPT 120**
- **MACM 101**
- **CHEM 121**
- **STAT 270**
- **CMPT 125**
- **MACM 201**
- **CHEM 122**
- (WQB) B-HUM
- **CMPT 127**
- **MATH 150 or 151**
- **CHEM 281**
- (WQB) B-HUM
- **CMPT 225**
- **MATH 152**
- **CHEM 282 or 283**
- (WQB) B-SOC
- **CMPT 276**
- **MATH 232 or 240**
- **PHYS 101&102, or 120&121, or 125&126, or 140&141**
- (WQB) B-SOC
- **CMPT 295**
- **BISC 101**
- (WQB) W
- **MBB 222**
- **BISC 102**
- **MBB 231**
- **BISC 202**

*CMPT 130/135 are an acceptable alternative to CMPT 120/125/127*

## 2. UPPER DIVISION REQUIREMENTS

### REQUIRED COURSES:
- CMPT 307
- CMPT 354
- CMPT 405
- CMPT 441
- MBB 308
- MBB 331
- MBB 342
- MBB 496 (6)
- STAT 302

### ELECTIVE COURSES:

**List One**
- Choose at least two
  - CMPT 305
  - CMPT 310
  - CMPT 340
  - CMPT 361
  - MACM 316
  - MBB 321

**List Two**
- Choose at least three
  - CMPT 413
  - CMPT 419
  - CMPT 454
  - MBB 438
  - MBB 441
  - MBB 461
  - MBB 462
  - MBB 463
  - MBB 464

**Six units of 400 level:**
- CMPT ___________
- CMPT ___________

Upper division electives must total a minimum of 60 units. Course(s):
- __________________
- __________________

### WQB REQUIREMENT:
- CMPT 376W or MBB 309W

## 3. Optional Co-operative Education

- CMPT 426
- CMPT 427
- CMPT 428
- CMPT 429
- CMPT 430

Required courses: ____________________________

Elective courses required: ____________________________

Additional Elective required: ____________________________

Other courses required for graduation: ____________________________

132 units required: Current: _____  Required: _____

60 UD units required: Current: _____  Required: _____
1. LOWER DIVISION REQUIREMENTS (or equivalents):

WQB requirements: Students are required to complete 6 units of writing (W), 6 units of Breadth Science (B-Sci), 6 units of Breadth Social Science (B-Soc), 6 units of Breadth Humanities (B-Hum) and 6 units of Undesignated Breadth (UB).

Some WQB courses may fulfill two requirements. Some courses have multiple designations. For complete WQB regulations please refer to http://www.sfu.ca/ugcr/for_students.html.

2. UPPER DIVISION REQUIREMENTS:

Required courses - Students must complete all courses listed in the required column.

Elective courses - Students must complete at least 2 courses from List 1 and at least 3 courses from List 2.

Honours requirements - Students must take 6 units of any 400-level CMPT course work. Students must also complete MBB 496 (6 units).

Additional course(s) - Students must complete 5 - 6 additional units of upper division course work in any subject to bring their total upper division units to 60.

WQB Requirement - Students must complete their upper division W with CMPT 376-3 or (W) MBB 309-4.

CGPA Requirements: Students are required to achieve a minimum cumulative grade point average (CGPA) of 3.0, and an upper division grade point average of 3.0.

Faculty of Science Requirements: Students wishing to graduate with a BSc under Science should contact the MBB advisor directly.

Faculty of Applied Sciences Requirements: At least two thirds of the total Upper Division units in the program must have been completed at Simon Fraser University. Please refer to the current SFU calendar for full details.

3. CO-OPERATIVE EDUCATION: Combines work experience with academic studies—all students are encouraged to apply. Co-op is not mandatory; however, students completing 3 co-op placements receive a certificate of completion while students completing 4 or more co-op placements receive a co-op designation on their transcript and parchment. Note: You cannot graduate on a coop term. Please contact the Coop office for full details.

Questions? Contact an Applied Sciences Advisor at asadvise@sfu.ca, or view our advising schedule for drop-in and booked advising: http://www.sfu.ca/fas/current-student/advising.html.

THIS ACADEMIC PLAN IS A GUIDELINE ONLY. PLEASE REFER TO THE SFU CALENDAR FOR FULL DETAILS.